

CLASSIFICATION **CONFIDENTIAL**

CENTRAL INTELLIGENCE AGENCY

INFORMATION FROM u

FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT

CD NO

50X1-HUM

COUNTRY USSR  
SUBJECT Industrial technology

DATE OF INFORMATION 1948

**HOW PUBLISHED** Monthly periodical

DATE DIST. 2 May 1949

WHERE  
PUBLISHED Moscow

NO. OF PAGES 1

DATE  
PUBLISHED Aug 1948

SUPPLEMENT TO  
REPORT NO.

LANGUAGE Russian

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANINGS OF ESPIONAGE ACT 56 U. S. C. 31 AND 32, AS AMENDED. ITS TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW. REPRODUCTION OF THIS FORM IS PROHIBITED.

THIS IS UNEVALUATED INFORMATION

SOURCE Nauka i Zhizn'. (Science and Life). No 8. 1948.

## TECHNOLOGICAL BRIEFS

1. In 1947, Soviet geologists and oil engineers discovered and investigated a number of new oil-bearing regions. The new Kyzylagachskiy deposit, which was discovered very close to the Neftchaliniskiy deposit, will be exploited through deep drilling. The highly productive Kazanbulagskiy deposit in Kirovabad rayon has just been put into operation. Through this, a start has been made in establishing a new oil-extracting center in Azerbaijan. New oil deposits have been discovered in the Maykop layer (Krasnodarnet'). Gushers came in from new deposits for the first time in the Izberbaskiy region by efforts of the Dagneft' trust. A new gas deposit was discovered in the Balash section (Malgobekneft' trust). New oil prospects were discovered by deep mining excavations in the Nebitdagskiy area (Western Turkmen).

2. A plant for liquefying Saratov gas, with underground tanks for liquid methane, will be constructed under Moscow. In the summer, when the demand for gas is low, the surplus will be stored in the underground storage. In the winter, when the demand increases, the liquid methane will be released into the city's mains through gas-distributing stations after its conversion into gas. This will assure a steady supply of gas to the population and enterprises of the city throughout the year.

3. Water jets were used on a caisson used in the construction of a large railroad bridge. The sinking of the caisson was done by loosening the bottom with water jets produced at high velocity, and considerable pressure by a special device, the hydromonitor. Water is also used to remove the mud from the bottom of the caisson to the surface through a hydroelevator.

4. The Standartstal'stroi Trust is arc welding nonferrous metals with a copper electrode in the usual alternating-current welding devices. Torch welding is customarily employed for this purpose, but it requires highly qualified workers, scarce equipment, and complex apparatus which cannot always be obtained in construction areas or field workshops. Arc welding with a copper electrode is distinguished by the simplicity of preparing the electrode, the satisfactory quality of the welded seam, and the possibility of rapid maintenance, and reconditioning of machines wears made from bronze with a small maintenance cost.

- E N D -

- 1 -

**CLASSIFICATION**

**CONFIDENTIAL**

<b>STATE</b>	X NAVY	X NSRB	DISTRIBUTION								
<b>ARMY</b>	X AR	FBI	HSPC/MIA								